

CANADIAN CONTRACT RECORD

*A Weekly Journal of Engineering, Public Works,
Tenders, Advance Information and Municipal Progress*

This Paper Reaches Every Week the Town and City Clerks, Town and City Engineers, County Clerks and County Engineers, Leading Civil Engineers and Contractors throughout Canada, and Purchasers of Municipal Debentures.

VOL. 18

TORONTO, MONTREAL — MARCH 20, 1907 — WINNIPEG, VANCOUVER

No. 3

THE CANADIAN CONTRACT RECORD PUBLISHED EVERY WEDNESDAY

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PUBLISHERS' ANNOUNCEMENT.

To ensure publication of the **CONTRACT RECORD** on time, advertisers are requested to strictly observe the following regulations:

Copy and cuts for change of advertisements must reach the publication office in Toronto not later than Saturday preceding the date of publication. The copy should show the size of the cuts, if any, as sometimes there is delay in transmitting the latter through the mails.

Transient advertisements for Tenders must reach the publication office by **TEN O'CLOCK A. M. ON TUESDAY**, but our patrons will confer a favor by forwarding advertisements earlier whenever possible.

WANTED

An experienced draughtsman. Apply, stating experience and salary expected, to **STOREY & VAN EGMOND**, Architects, Regina, Sask.

TENDERS FOR BROKEN STONE

Sealed tenders will be received by the undersigned up till noon on the **SECOND DAY OF APRIL, 1907**, for supplying the city of Windsor with 12,000 tons, more or less, of Broken Stone for macadamizing streets, the same to be delivered L.o.b. cars in such railway yard within the city as the Council may direct.

Forms of tender containing specifications, etc., furnished on application, and tender must be made on said form. No tender necessarily accepted.

STEPHEN LUSTED,

City Clerk.

Windsor, February 26, 1907.

TENDERS WANTED

Tenders will be received for the various trades in the erection of a cottage in Rosedale until **MARCH 22ND**, at 3 p.m.

The lowest or any tender not necessarily accepted.
CHAS. F. WAGNER, Architect,
8 Toronto street, Toronto.

TENDERS WANTED

Tenders will be received by the undersigned for the erection of a Y.M.C.A. building at Regina, Sask. Full particulars may be obtained at the office of

STOREY & VAN EGMOND, Architects,
Hamilton street, Regina, Sask.

The lowest or any tender not necessarily accepted.

For Sale

Two Canadian patents, covering Labor-Saving Device. Information given on application.

Box 512, St. Catharines, Ont.

Town of New Liskeard

Debentures for Sale

Tenders will be received up to 8 o'clock p. m. on **MONDAY, APRIL 1ST, 1907**, for the purchase of the following debentures; amounting to the sum of \$4,000 for the purchase of Town Hall and Market property, payable in twenty annual instalments of \$201.21 each and bearing interest at 5%, covering a period of twenty years from 1907 to 1926 inclusive.

Address
H. HARTMAN, Town Clerk,
New Liskeard, Ont.
New Liskeard, March 11, 1907.

TOWN OF ALLISTON

Province of Ontario

Debentures for Sale

Sealed tenders will be received up to 2 o'clock p. m. **MONDAY, MARCH 25TH, 1907**, for the purchase of the following Debentures of the Town of Alliston amounting in all to the sum of \$6,950.72: \$2,500 for improvement and macadamizing Victoria street in said town, spread over a period of 20 years and dated the 15th December, 1906, and bearing interest at the rate of 4 per cent; \$4,450.72 for cement sidewalks in said town of Alliston, as provided under Local Improvement By-Laws No. 8, 101, 102, 103, 104 and 105 of said town, extending over a period of 25 years, bearing interest at the rate of 4 per cent and dated the 1st day of January, 1907. All of said debentures are guaranteed by the County of Simcoe.

The highest or any tender not necessarily accepted.

Address,

THOMAS M. BROWN,
Chairman Finance Committee,
Town of Alliston, or
W.M. LOCKHART, Clerk.

SUPERINTENDENT OR FOREMAN

Advertiser is open for engagement as Superintendent, Inspector or Foreman on Construction Work; has held position as Superintendent and Foreman on Reinforced Concrete Construction and buildings of all kinds and can show good results at fair costs. Apply Box 103, **CONTRACT RECORD**, Toronto, Ont.

Contractors' Notice

If you are tendering on any work in

NORTHERN ONTARIO

we are prepared to give right figures on heating and plumbing work.

CAVEN & MONCEON

Sturgeon Falls, Ont.

TENDERS

For Cast Iron Water Pipes and Specials.

Sealed tenders, addressed to the undersigned, will be received up to one o'clock p.m. **SATURDAY, MARCH 30TH, 1907**, for Cast Iron Water Pipes and Accessories to be used in connection with the projected Water System in the Town of Richmond, Que., according to the plans and specifications prepared by B. D. McConnell, C.E., and deposited in the Secretary-Treasurer's office. The amount of pipes required will be approximately 342 tons, exclusive of tees, bends, valves, etc. No tender necessarily accepted. Detailed specifications will be furnished on application to

E. P. CLEVELAND,

Secretary-Treasurer.

TOWN OF BATTLEFORD SASKATCHEWAN

Waterworks, Sewerage and Electric Lighting

Sealed tenders will be received by the Secretary-Treasurer of the Town of Battleford until 5 p. m. **APRIL 13TH, 1907**, for the following works:

- Contract "A"—All labor and materials necessary for constructing the Water Works Force Main, Distribution System and Intake.
- Contract "B"—All labor and materials necessary for constructing a Sewer System.
- Contract "C"—The supply and erection of a sixty thousand gallon Elevated Tank.
- Contract "D"—The supply and erection of a Water Works Pump.
- Contract "E"—The supply and erection of one Return Tubular Boiler.
- Contract "F"—The supply and installation of an Electric Lighting System.
- Contract "G"—The supplying at Battleford of Cast Iron work for Manholes and Catch-basins.

Plans and specifications may be seen and forms of tender obtained at the office of the Secretary-Treasurer, Battleford, or at the offices of Galt & Smith, Chief Engineers, Toronto.

The town reserves the right to reject any or all tenders.

R. C. LAURIE, Esq.,

GALT & SMITH, Secretary-Treasurer,
Consulting Engineers, Battleford, Sask.,
23 Jordan St., Toronto.

[FOR ADDITIONAL ADVERTISEMENTS FOR TENDERS SEE NEXT PAGE]

Draughtsman wants position. Experienced, up-to-date, design, details, decoration, perspective, ink or color. Address Box 104, CONTRACT RECORD, Toronto.

TENDERS

will be received by the undersigned until APRIL 15th next for the lighting of the Village of Millbrook by electricity.

Further information on application. The village reserves the right to reject any or all tenders.

WALTER W. GILLOTT, Clerk.

Notice to Contractors

Tenders will be received at the office of the undersigned, for all trades, for the erection and completion of a Sunday School Building for St. Matthew's Church, First Avenue. Tenders to be in by 12 o'clock SATURDAY, MARCH 23RD. No tender necessarily accepted.

SYMONS & RAE, Architects,
15 Toronto Street, Toronto.

**WATER WORKS
NEW LISKEARD, ONT.**

The time for receiving sealed tenders for Cast Iron Pipe, Steel Stand Pipe, Pumps and Motors for the Water Works System for the town of New Liskeard has been extended to 8 o'clock p.m. on TUESDAY, MARCH 26TH, 1907.

The above tenders will be received by Sinclair & Smith, Engineers, New Liskeard, Ont.

By order of Town Council.
SINCLAIR & SMITH, Engineers,
New Liskeard, Ont.

Tenders Wanted

Sealed Tenders, addressed to the undersigned and endorsed "Tender for Pump," will be received up until twelve o'clock, noon, on TUESDAY, THE NINTH DAY OF APRIL, 1907, for furnishing, erecting and connecting complete, including foundations and all other work and materials necessary to the installation in running order, of a new pump in the Amherstburg Waterworks, capable of raising water from a depth of 15 feet in the well, and delivering 800 Imperial gallons per minute into a 10 inch main, against a hydraulic pressure of 120 pounds, with a steam boiler pressure not exceeding 80 pounds per square inch, the said pump to be of the latest pattern of its type, and to have all the modern improvements and attachments; said tenders to also include the repairing and placing in perfect working order of the compound, direct acting, duplex pumping engine of the above capacity, now in use in the said waterworks.

The said new pump may be either, and alternative propositions will be received for:
First—A compound, direct acting, duplex pump.
Second—A fly-wheel pump.
Third—A turbine pump.

No tenders necessarily accepted.
For further particulars apply to

J. H. C. LEGGATT, Town Clerk,
Amherstburg, Ontario.



NOTICE TO CONTRACTORS

Tenders will be received by registered post only, addressed to the Chairman of the Board of Control, City Hall, Toronto, up to noon on TUESDAY, MARCH 26TH, 1907, for the construction and erection of a

STEEL TANK

at the Main Pumping Station, for the high pressure fire service.
Envelopes containing tenders must be plainly marked on the outside as to contents.

Specifications and forms of tender may be obtained at the office of the City Engineer, Toronto, upon application.

The usual conditions relating to tendering as prescribed by city by-law must be strictly complied with. The lowest or any tender not necessarily accepted.

E. COATSWORTH (Mayor),
Chairman Board of Control,
City Hall, Toronto, March 11, 1907.

**CITY OF REGINA
GRANOLITHIC SIDEWALKS
AND CURBS.**

The City Clerk will receive sealed tenders, marked "Tenders for Granolithic Sidewalks", on behalf of the Corporation of the City of Regina, up to and inclusive of TUESDAY, 20th APRIL, 1907, until 5 o'clock p.m., for the construction of about 185,000 square feet of Granolithic Sidewalks to be laid down in the City of Regina.

He will also receive sealed tenders, marked "Tenders for Curb and Gutter", on behalf of the said Corporation, on the same date and at the same time, for the construction of about 8,000 lineal feet of straight curb and 22,000 lineal feet of combined curb and gutter to be laid down in the City of Regina.

Each tender must be accompanied by a certified cheque, payable to the order of the City of Regina, for five per cent. of the amount tendered for.

The lowest or any tender not necessarily accepted.

ANGUS SMITH, J. KELSO HUNTER,
City Engineer, City Clerk,
Regina, Sask., 14th March, 1907.

CONTRACTS OPEN.

EDMONTON, ALTA.—H. Sigler will erect a brick hotel here.

CALGARY, ALTA.—The ratepayers have decided by vote to erect a new city hall.

WINGHAM, ONT.—G. C. Hannah has purchased property on which to erect a store.

WELLAND, ONT.—D. Dick, jr. has purchased property on which to erect ten new dwellings.

REGINA, SASK.—It is reported that the Reeves Engine Co. will erect a large warehouse here.

HEADINGLY, MAN.—A vehicle bridge is to be erected over the Assiniboine river here.

GUELPH, ONT.—Sleeman & Sons have decided on the erection of a new mill house, cost \$20,000.

ARTHUR, ONT.—It is reported that the Canadian Pacific Railway will erect a new station at a cost of \$7,000.

GLACE BAY, N. S.—The ratepayers have decided to borrow \$90,000 with which to pay off the town's indebtedness.

WHYCHWOOD, ONT.—The Wychwood Presbyterian congregation have decided on the erection of a new church.

ORILLIA, ONT.—C. E. Grant will receive tenders up to March 28th for purchase of \$2,600 4½ per cent. debentures.

NIAGARA FALLS, ONT.—The Lantz Marble Co., of Buffalo, are endeavoring to obtain a site here on which to erect a branch factory.

SIMCOE, ONT.—The ratepayers have carried the by-law which provides for the establishment of a waterworks system at a cost of \$70,000.

THOROLD, ONT.—J. C. Monroe, Town Clerk, will receive tenders up to April 1st for purchase of \$8,000 4 per cent. waterworks debentures.

BRAMPTON, ONT.—The Town Council are seeking advice from other municipalities prior to the commencement of constructing a sewerage system.

ST. BONIFACE, MAN.—The Town Engineer has recommended the construction of a reservoir, having a capacity of 400,000, at an estimated cost of \$102,000.

CONJURING CREEK, ALTA.—C. B. Shantz wants tenders up to March 31st for erection of a creamery building. Plans with Martin & Pyrez, Leduc, Alta.

BERLIN, ONT.—The question of purchasing the Berlin and Waterloo Street Railway, at a cost of \$83,200, will be voted on by the ratepayers on April 4th.

WESTON, ONT.—A. M. Burton, Secretary Public School Board, wants tenders up to March 26th for installation of a hot water heating system in public school.

SOURIS, MAN.—It is understood

that the Canadian Pacific Railway Co. will erect a new station here at a cost of \$20,000, and also make additions to the roundhouse.

CHATHAM, ONT.—The Board of Education are considering the installation of a new heating system in the High School building.

WALLACEBURG, ONT.—A. M. Piper, architect, Chatham, Ont., is preparing plans for a mill and elevator to be erected here at a cost of \$10,000.

RAPID CITY, MAN.—G. Grant, Secretary-Treasurer Municipality of Saskatchewan, will receive tenders up to March 23rd for supply of 36 drag or slush scrapers.

YORKTON, SASK.—The ratepayers have carried a by-law which provides for the raising of \$10,000 with which to purchase controlling interest in the local telephone company.

MAIDSTONE, ONT.—Rev. Father McCabe invites tenders for erection of a tower on St. Mary's church. Plans at church and with J. L. Reaume, Essex, and J. M. Watt, architect, Windsor.

HULL, QUE.—The Bank of Montreal purpose erecting a new building to cost \$20,000.—An addition will be made to the factory of the E. B. Eddy Co. The same firm will also erect a planing mill.

QUEBEC, QUE.—Plans are being prepared for a new ordnance stores building for the Dominion Government. The building will be of brick, four stories high, and will have a frontage of 200 feet.

MONCTON, N. B.—The Bank of Montreal have purchased property on which to erect their new building.—It is reported that the Canadian Bank of Commerce are looking for a site on which to erect a building.

LONDON, ONT.—The City Council have given notice of their intention to construct a large number of concrete sidewalks costing several thousand dollars, also a tile sewer on Ridout street to cost \$6,175.

TILBURY, ONT.—J. L. Wilson & Son, architects, Chatham, are preparing plans for a new hotel to be erected for G. Chalmers.—J. S. Richardson intends erecting a new addition to his premises 45 x 100 ft.

SELKIRK, MAN.—W. Fingland, architect, Winnipeg, is preparing plans for a new hospital to be erected here. The building will be of brick and stone, 34 x 63 feet, and will consist of 2½ stories and basement.

TORONTO JUNCTION, ONT.—Building permits have been granted as follows: Gurney Foundry Co., one-story addition to moulding shop, cost \$4,000, and W. A. Miner, two-story store and dwelling, cost \$3,500.

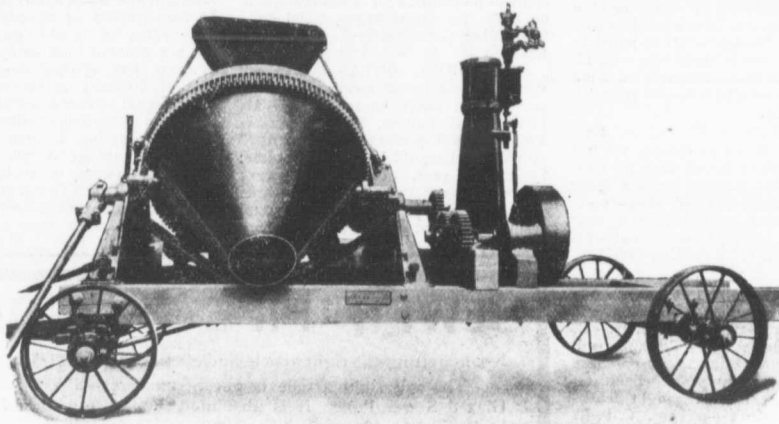
MIDLAND, ONT.—T. I. Trueman, Secretary Public School Board, will receive tenders up to March 30th for erection of school building. Plans at Secretary's office and at office of Architect, R. J. Edwards, 18 Toronto street, Toronto.

KENDALL, B. C.—It is reported that the Northwestern Portland Cement Co., of San Francisco, will establish a large cement plant here. The proposed works will have a capacity of 5,000 barrels per day and the estimated cost is \$1,000,000.

FORT WILLIAM, ONT.—A proposition has been submitted to the City Council by a party of capitalists to establish a large ship-building industry here. The initial outlay in plant is estimated at \$1,000,000.—J. A. Timbers & Son have purchased property on which to erect an opera house.

SASKATOON, SASK.—J. Leslie will receive tenders up to April 1st for

SMITH MIXERS



SMITH CONCRETE MIXER ON TRUCK WITH ENGINE; SPACE LEFT FOR MOUNTING BOILER.

⌘ ⌘ FIFTEEN POINTS OF SUPERIORITY ⌘ ⌘

1. The drum consists of two steel cones attached to a central ring and is stronger and more durable for its weight than any other form of mixing drum.
2. All the guiding and driving surfaces are on a single ring casting, the greatest possible distance from the points of both feeding and discharge.
3. This central ring cannot get out of alignment, it cannot bind in its bearings, and only a railroad accident can break it.
4. The SMITH DRUM emphatically has insides. The only Drums which had no insides have since been obliged to supply them.
5. The SMITH DRUM uses interior blades, spirally arranged in sets to produce alternating cross movement of the materials in the drum.
6. Spirally arranged blades or deflectors are the most efficient mixing device known, notwithstanding the misrepresentations of competitors.
7. Spirally arranged blades in a conical drum eliminate shell friction; the material running down the spiral blade, runs away from the shell.
8. The cross motion in the SMITH DRUM is the strongest known in mixing machines. WE HAVE THE PROOF.
9. The proof is that if the drum is revolved backwards, the contained materials will all be thrown out.
10. The drum of the SMITH MIXER is supported by a frame hung on trunnions. It is independent of the wagon frame.
11. Twist the wagon frame as much as you will, you cannot bind the drum.
12. The SMITH MIXER tilts to discharge with astonishing ease, because we do not lift the load when we tilt, but swing it around its own centre of gravity.
13. The roller tracks and rollers of the SMITH MIXER are all machined.
14. The main bearings of the SMITH MIXER are bushed with good journal bronze.
15. The time required to thoroughly mix a batch in the SMITH MIXER is less than any other machine known. The time required to completely discharge a batch is also less than in any other machine known.

WRITE FOR CATALOGUE.

MUSSENS LIMITED

Railway, Mining, Municipal and Contractors' Supplies.

Head Office: MONTREAL

erection of a hospital building. Plans with W. W. LaChance, architect, Regina, Prince Albert and this town.—D. H. and W. A. Telford have purchased property on which to erect an office building.

HAMILTON, ONT.—G. H. Lees & Co. are contemplating the erection of a factory building.—A. Moote has purchased property on Tisdale street on which to erect several brick dwellings.—C. M. Arkine has purchased property on King William street on which he will erect an \$8,000 building.

BROCKVILLE, ONT.—C. S. Cassitt, Chairman Board of Works, will receive tenders up to March 28th for supply of following material for the municipality: Lumber, vitrified sewer pipe, Portland cement, macadam and construction of granolithic sidewalks. Specifications with Town Engineer.

STRATHCONA, ALTA.—The City Council have granted a franchise to the International Heating & Lightng Co. to operate a lighting plant in this city.—G. Doanes, Town Secretary-Treasurer will receive offers up to May 1st for purchase of \$16,000 4½ per cent. sewer debentures, \$35,000 5 per cent. electric light debentures and \$37,000 5 per cent. C. P. R. bonus debentures.

MONTREAL, QUE.—A. Rudolphe has taken out a buiding permit for the remodelling of warehouse on St. Helen street, cost \$22,000.—J. P. Abel & Son Co. recently purchased property on Forsythe and Ontario streets, at a cost of \$24,539.—It is reported that the Peck-Benny Company have purchased property at Cote St. Paul and will erect a factory building thereon.

ST. CATHARINES, ONT.—The ratepayers of Thorold Township have carried the by-law granting fixed assessment to the North America Smelting Co. who propose to erect a smelter at a cost of \$250,000.—The Chairman of Committee on Works wants tenders up to March 20th for putting in sewer connections from main sewer to street line on seven streets. Plans at City Engineer's office.—The County Council and local Board of Health have decided on the erection of an isolation hospital to cost \$3,000.

VANCOUVER, B. C.—Cavanagh & Holden recently sold property on Granville street for \$40,000. The purchasers intend erecting thereon a block of stores.

—A buiding permit has been granted E. Henderson for erection of fifteen frame buildings, cost \$30,000.—Permits have also been granted Smith & Sherborne, for erection of Clark Block on Hastings street, cost \$25,000 and new Provincial Court House cost \$10,000.—Plans are in coure of preparation for a sanitarium to be built for the British Columbia Anti-Tuberculosis Society at Kamloops Lake.

RED DEER, ALTA.—Work will shortly commence on erection of brick and cement opera house for W. M. Jarvis.—L. C. Fulmer, Town Secretary-Treasurer, will receive offers up to April 15th for purchase of following debentures: \$30,000, 35 year, 5 per cent., sewer; \$20,000, 30 year, 5 per cent., waterworks extension; \$6,000, 5 per cent., hospital grant; \$5,000, 20 year, 5 per cent., fire

hall; \$4,000, five-year, 5 per cent., local improvement; \$2,300, 20 year, 5 per cent., land for waterworks.

TRURO, N. S.—The ratepayers are today voting on the following by-laws: Purchase of rock crusher and road roller at a cost of \$5,000; straightening and laying of new water mains at a cost of \$9,500; erection of an addition to the waterworks station and installation of a 150 h.p. boiler at a cost of \$6,900; laying of 4,000 feet wooden stave pipe at a cost of \$10,000; improvements to fire alarm signal service at a cost of \$3,000; extension of sewerage system at a cost of \$3,000; granting of free site to the Dominion Carriage Co. who purpose establishing a factory in this town.

OTTAWA, ONT.—A. Rosenthal & Son have purchased property on Sparks street on which to erect a building.—

SEWER PIPE ECONOMY

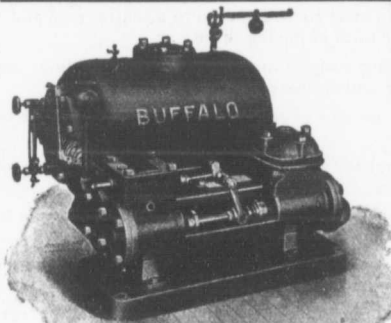
lies in getting the right article and getting it at the right price.

The only right article is our Steam Pressed Vitrified Salt Glazed Sewer Pipe. It is absolutely non-absorbant and once laid will last for ever.

The right price can be obtained for the asking at any of our offices.

THE CANADIAN SEWER PIPE CO.

HAMILTON, ONT. TORONTO, ONT. ST. JOHNS, QUE



Buffalo Pumps

Reciprocating and Centrifugal

FOR THE FACTORY:
TANK PUMPS, BOILER
FEED PUMPS, UNDER-
WRITER FIRE PUMPS,
HYDRAULIC PRESSURE
PUMPS, JET CONDENSERS.

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OFFICE AND FACTORY:
MONTREAL, QUE.



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THE CANADIAN PORTLAND CEMENT CO., LIMITED

502 TEMPLE BUILDING,
TORONTO

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MONTREAL

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TELEPHONES, SWITCHBOARDS,
FIRE ALARMS, LINE MATERIAL
AND SUPPLIES

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TORONTO 59 Richmond St. East

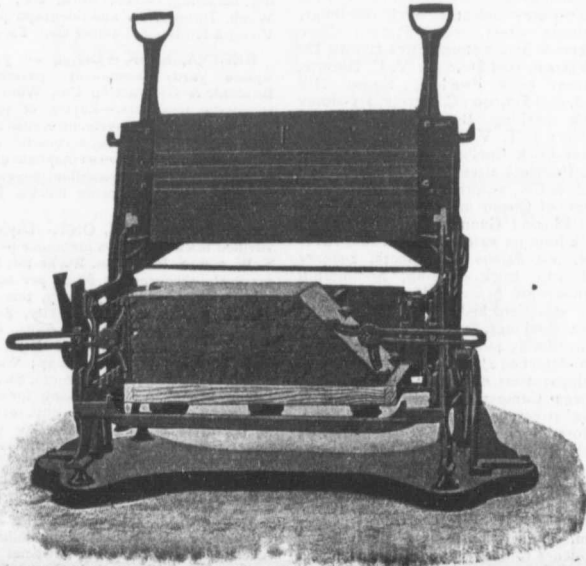
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THE MILES CONCRETE BUILDING BLOCK MACHINE

Makes 40 Different Sizes of Stone in Any Design, as well as the Specials, viz.:

Water Table, Gable, Circle, Angle, Chimney, Cornice, Pier Blocks, etc.

Catalogues and Information Cheerfully Furnished.



This Machine makes all blocks face down—"the only practical way"—allowing of a richer and finer facing, producing blocks that are perfect in appearance and impervious to moisture.

Let us tell you how the "Miles" will pay for itself over any other machine in three months' operation.

Manufactured and Sold by

**VINING BROS.
M'fg. Co.**

Niagara Falls, - Can.

Additions are to be made to the Rideau Club building.—The V. Rogers Syndicate have decided on the erection of a rink building on Laurier avenue which will have a seating capacity of 4,500 persons.—C. S. O. Boudreault, Chairman Fire & Light Committee will receive tenders up to March 25th for supply of 1,000 feet 2½ inch rubber lined hose for city.—F. Gelinas, Department of Public Works, will receive tenders up to April 2nd for dredging at mouth of Rainy river. Specifications at offices of E. B. Temple, resident engineer, Port Arthur, A. R. Dufresne, resident engineer, Winnipeg, the Postmaster, Kenora, and Department of Public Works, this city.

ST. JOHN, N.B.—The Public School Board will ask for authority of the Provincial Government to issue bonds for \$40,000, with which to erect a new school building.—W. Downie, general superintendent Atlantic Division Canadian Pacific Railway, will receive tenders up to April 1st for building concrete abutments and piers as follows: Two abutments, Fredericton branch Russiadornis, N. B.; four abutments, Tobique branch, Licford, N. B.; two abutments, Aroostock branch, Fort Fairfield, Maine; two abutments and one pier, Edmundston branch, Grand River, N. B.; two abutments and three piers, Edmundston branch, Aroostock Junction, N. B.; two abutments and three piers, Edmundston branch, Grand Falls, N. B. Plans and specifications with G. G. Hare, resident engineer, Woodstock, N. B., and C. D. Brown, division engineer, this city.—The Canada Lands Produce & Cold Storage Co., of Ottawa, have applied to the City Council for a free site on which they agree to erect a cold storage plant at a cost of \$100,000.—Cutler & Co. have applied to City Council for a new lease on the pulp mill at Mispec at reduced rental. They agree to spend \$70,000 on the premises.—Manchester, Robertson & Allison have purchased a site 40 x 200 feet on which to erect a new building.

WINNIPEG, MAN.—The Winnipeg General Hospital are considering the erection of an incinerator.—The City Engineer has recommended the purchase of a diamond drilling plant, cost \$10,000.—Jewett & Tuttle, architects, have completed plans for a club house at White-wald Beach for the Lake Manitoba Beach Club. The building will be 24 x 40 feet and two stories high.—J. Chishelm, architect, is preparing plans for a stable for the Manitoba Cartage Co. to be erected on Henry avenue. The building will be brick and stone with concrete flooring.—Tenders have been invited for erection of a brick and stone factory for G. A. Eastman.—The Chairman of the Board of Control will receive tenders up to March 27th for supply of galvanized fittings, corporation cocks, and other water-works supplies for the city. Specifications with City Engineer.—The American Association have decided on the erection of a three-storey brick club house to cost \$50,000.—E. N. Counsell, acting for a syndicate, has purchased property on Main street and will erect a \$250,000 office building.—A large apartment block will be erected corner Carlton and Ou Appelle streets for James Ryan. V. W. Horwood is architect.—Plans have been completed for brick and stone residence to be erected on Broadway for L. C. McIntyre.—Mr. Conway will erect a \$75,000 apartment block on Kennedy street.

TORONTO, ONT.—The Young Men's Zion Club have applied for a lease on property on Centre Island on which to erect a club house.—C. F. Wagner, architect, wants tenders up to March 22nd for erection of cottage in Rosedale. J. P. Hynes, architect, has invited tend-

ers for erection of residence on Oriole road for W. Hawke.—The same architect will shortly take tenders for erection of warehouse on King street west and also an apartment house.—Darling & Pearson, architects, are taking tenders up to March 21st for alterations and additions to St. Mary Magdalen's church.—An American company has purchased property corner Queen and Parliament streets on which to erect a five storey departmental store building.—F. B. Robins will erect a residence in Rosedale to cost \$25,000, and F. McMahon will also erect a residence in the same district to cost \$15,000.—L. Foulds, architect, will receive tenders up to March 27th for erect on office building on Dalhousie street, also for installation of plumbing system in house on Walker avenue.—The same architect invites tenders for erection of pair of brick houses on Shaw street.—Tenders are wanted at 282 Queen street east for erection of two pair of houses.—The City Architect has issued the following building permits: Fisher Bros., 2-storey brick warehouse, Spadina avenue, cost \$5,000; J. Moffatt, pair semi-detached 2-storey roughcast dwellings, Cotcord avenue, cost \$3,200; R. Jeffer, pair semi-detached 2-storey brick dwellings, Woolfrey avenue, cost \$5,500; A. Poyntz, 2-storey and attic brick dwelling, Bathurst street, cost \$3,000; Mr. Caistairs, pair semi-detached 2-storey roughcast dwellings, brick fronts, Symington avenue, cost \$3,000; W. W. Hiltz, 2 pair semi-detached 2-storey brick dwellings, 49-55 Woolfrey avenue, cost \$8,000; J. Greenwood, 2 pair semi-detached 2-storey brick veneered dwellings, 81-83 Margueretta street, cost \$3,800; J. Laishlev, 2½-storey brick dwelling, corner Maple avenue and South Drive, cost \$9,000; Stothers & Kendle, pair semi-detached 2½-storey brick dwellings, 720-722 Manning avenue, cost \$6,000; G. Palmer 2-storey and attic brick dwelling, 217 Jamieson avenue, cost \$4,000; P. Roach, 2 pair semi-detached 2-storey brick dwellings, 12-14 Woosely street, cost \$6,000; I. W. W. Plewes, 2 pair semi-detached 2-storey and attic brick dwellings, Davenport road, cost \$12,000; M. King, pair semi-detached 2-storey brick dwellings, 17 Grove avenue, cost \$4,000; S. Haas, Alterations to dwelling, 130 St. George street, cost \$6,000; W. W. Hiltz, 3 detached 2-storey brick dwellings, 1-5 Hogarth avenue, cost \$9,000; A. Poyntz, pair 2-storey and attic brick dwellings, Bathurst street, cost \$5,000; Chas. Rogers & Son, 3-storey brick factory De Foe street, cost \$10,000; V. C. Browne, 3-storey brick dwelling, Forest Hill road, cost \$12,000; C. Hernin, 2½-storey brick dwelling, Binscarth road, cost \$7,000; J. T. V. May, 4 detached 2-storey brick dwellings, corner Dewson and Havelock streets, cost \$12,000; J. P. Scott & Co., 2-storey metal warehouse, corner of Queen and Sackville streets, cost \$8,000; Gunns, Limited, 3-storey brick front on warehouse, 78 Front street east, cost \$4,000; W. Booth, 2-storey and attic brick dwelling, Summerhill avenue, cost \$5,000; W. G. Simpson, pair semi-detached 2-storey and attic brick dwellings, 434-436 Delaware avenue, cost \$5,400; J. R. Hoidge, 2 pair semi-detached 2½-storey brick dwellings, Bathurst street, cost \$13,200; Queen City Vinegar Company, 3-storey brick factory, River street, cost \$20,000; L. C. Todd, 1-storey brick addition to warehouse, 65 Wellington street west, cost \$10,000.—The congregation of North Parkdale Methodist Church will erect a new edifice corner Sorauren avenue and Galley street.—A. M. Piper, architect, Chatham, Ont., is preparing plans for a residence to be erected in Rosedale at a cost of \$15,000.

CONTRACTS AWARDED.

PETERBORO, ONT.—Erection of new school building for municipality: A. A. McIntyre, this city, successful tenderer.

NEW WESTMINSTER, B. C.—Erection of hotel building for E. J. Fader; Smith & Sherbora, this city, contractors.

HULL, QUE.—Erection of new school building for Public School Board: J. Bourque, successful tenderer at \$17,000.

ST. BONIFACE, MAN.—Supply of 15,000 piles for municipality: J. Cote, Winnipeg, successful tenderer at 14¼ cents per lineal foot.

KURTZVILLE, ONT.—Erection of brick church for Lutheran congregation: G. Wahl and G. Fritz, Listowell, successful tenderers.

OWEN SOUND, ONT.—Erection of Post Office building for Dominion Government, cost \$40,000: Leslie & McNeill, this town, contractors.

SARNIA, ONT.—Erection of hotel and cottages for J. R. Mann, of Dayton, Ohio: G. A. Proctor, this city, contractor. Estimated cost \$30,000.

CHATHAM, ONT.—A. M. Piper, architect, has let contract for erection of addition to General Hospital at a cost of \$11,000 to W. M. Drader, this city.

VANCOUVER, B. C.—Erection of three-storey brick and stone hall for local Orange lodges: D. G. Gray, this city, successful tenderer at \$45,000.

GUELPH, ONT.—Erection of foundry building for Gilson Manufacturing Co. stone and brick work, H. Benaitick; painting, W. Scrivering and tinsmithing, McCormack & Robinson.

PRINCE ALBERT, SASK.—Purchase of \$5,100 School Boards debentures: Awarded to the Northern Bank at \$5.185. Other bidders: Imperial Bank, at par; Nay, Anderson & Co., Regina, at \$5.05.

WINNIPEG, MAN.—H. B. Rugh has let contract for excavation for Bettingers' house on Wellington Crescent to W. E. Green.—Barton & Holman, architects, have awarded contract for erection of Eastman's trunk factory to S. Brown, this city.

ST. MARY'S, ONT.—Contracts for construction of St. Mary's & Western Ontario Railway Company's line have been awarded as follows: Steel rails, Dominion Steel Co., Sydney, C. B., grading, ballasting, cement work, etc.: J. E. Webb, Toronto, ties and telegraph poles, Victoria Harbor & Lumber Co., Toronto.

REGINA, SASK.—Laying of 31,250 square yards permanent pavement: Bitulithic & Contracting Co., Winnipeg, successful tenderers.—Laying of 19,600 sq. yds. permanent pavement: Kettle River Quarries Co., Winnipeg, successful tenderers. Prices as follows: Asphalt block, \$3.96 per sq. yd., bitulithic pavement, \$1.37 per sq. yd., creosote blocks, \$3.00 per sq. yd.

ST. CATHERINES, ONT.—Laying of vitrified brick roadways for municipality: S. W. & R. S. Hagaman, Rochester, N.Y., successful tenderers at \$2.12 per square yard. Other bidders: J. Riley, this city, \$2.18; Newman Bros., this city, \$2.23; Langley & Cook, Niagara Falls, Ont., \$2.31; L. H. Gipp, Buffalo, N.Y., \$2.35; W. A. Maguire, Toronto, \$2.37; Warren Bituminous Paving Co., Toronto, \$2.49.—Laying of asphalt block paving for municipality: Newman Bros., this city, successful tenderers at \$2.40 per square yard. Other bidders: Langley & Cook, Niagara Falls, Ont., \$2.66; S. W. & R. S. Hagaman, Rochester, N. Y., \$2.70; J. Riley, this city, \$2.70.

MONTREAL, QUE.—The City Road Committee have accepted the following tenders for city supplies: Artificial sidewalks: The Sicily Asphalt Co., at \$2.20.

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Asphalt sidewalks: the same firm, at \$1.00. Paving blocks: Laurentian Granite Co., at \$1.37. Special paving blocks: the same firm, at \$62 and \$75 per 1,000. Bulk asphalt: the Sicily Asphalt Co., at \$28 per ton. Paving stone blocks: the same firm, at \$1.77 to \$2.71. Asphalt pavement with stone binder: the same firm, at \$2.79 to \$3.60. Compressed asphalt blocks: Ontario Asphalt Co., at \$2.95 to \$3.50 per yard. Curbstones: J. E. Latreille, straight stones at 40 cents, and curved stones at 50 cents a foot. Flagstone sidewalks: Modern Construction and Paving Co., Danforth stone, \$2.45 to \$2.79 a yard. Patent sidewalk, called "Creolite": the same firm, at \$2.25 to \$2.39 a yard. Cement sidewalks: the same firm, \$1.82 to \$2.18 a yard. Cement flagstones: F. D. Lawrence, at \$1.95 to \$2.20 a yard. "Hercules" brand cement: W. McNally, at 60 cents per hundred pounds. Drain pipes: the same firm, at various prices. "Hasam" concrete paving: Powell Co., at \$2.40 a yard.

OTTAWA, ONT. — The board of Works have awarded contracts for city supplies as follows: Broken stone: T. S. Kirby and Co., successful tenderers at \$14.125. Other bidders: Ottawa Stone Company, \$13.435 and Wright and Company, \$15.190.—Brick: Supply Company of Ottawa, successful tenderers \$9.50 per thousand. Other bidder, Ottawa Brick Co., \$9.55 per thousand.—Cement: International Cement Co., successful tenderers at 56 cents per 100 pounds. Other bidder Ottawa Fireproof Supply Co., 58 cents per 100 pounds.—Stone curbing: Robillard and Co., successful tenderers at \$5.21 per foot. Other bidder Wright and Co., \$5.58 per foot. Sewer pipe: T. S. Kirby, successful tenderer at \$1,208.00. Others bidders, Wright and Co. \$1,555.80 and Canadian Sewer Pipe Co., \$1,275.50.—The following tenders were received for furnishing of supplies for the

city, in all cases the lowest tender being accepted: Hydrants and valves: Chaudiere Machine & Foundry Co., \$3.185; Kerr Engine Co., Walkerville, \$2.824; General Supply Company of Canada, \$2,664.50; Thomas Lawson & Sons, \$2,580. Castings: Chaudiere Machine & Foundry Co., \$3 per 100 pounds; Thomas Lawson & Sons, \$2.20 per 100 pounds. Cast iron pipe: John Coates & Co., \$13.56 per ton; T. S. Kirby & Co., \$38.20; Alex. Fleck, \$37.34; General Supply Company of Canada, \$36.96. Lead pipe and pig lead: McKinley & Northwood, \$910.90; Martel & Laugelier, \$987.50. Brass work: McKinley & Northwood, \$1,382.70; Martel & Laugelier, \$1,307.36; General Supply Company, \$1,342.64.

FIRES.

J. B. Synder's flour mill, Moorefield, Ont., loss \$4,000.—The Golden Lion Brewery, Prince Albert, Sask., loss \$70,000.—Lewis' hotel and adjoining buildings, Chemainus, B. C., loss \$20,000.

Mr. John Goulette of Charlo Station, N.B., who was one of the most prominent bridge builders and contractors in that district is dead.

"PRIESTMAN'S" EXCAVATOR AND DREDGER

It seems peculiar that the "PRIESTMAN'S" EXCAVATOR AND DREDGER is not used in Canada as it is all over the rest of the world, inasmuch as it will do more work with less labor than any Excavator at present in use and the first cost is less than most. For particulars write G. P. WALLINGTON, Canadian Representative, 11 Front Street East Toronto.

NOTES.

The Canadian Fairbanks Co., of Montreal, will open a branch warehouse at Calgary.

D. Laplante and E. Gascon have registered their contracting business at Montreal as Gascon & Laplante.

Mr. Alfred Oldfield, C. E., late engineer to the Winnipeg Electric Railway Coy., will shortly start business as Civil Engineer on his own account at 306 Kennedy Block, Winnipeg.

The Stinson-Reeb Builders' Supply Co., 188 William street, Montreal, have issued a handsome vest pocket note book, a copy of which they will be pleased to forward to builders on application.

It is strange to note that the fire which recently destroyed the plant of the Alpena Portland Cement Co., at Alpena, Mich., is the second conflagration which has destroyed a cement works this year. The loss was \$400,000 with insurance amounting to \$200,000.

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WOOD FIBRE PLASTER.

There is hardly any part of house construction that has undergone more radical changes in the past few years than that of plaster. Hard wall plaster has been steadily crowding the old-fashioned "lime, sand and hair" mortar into the background, and promises to crowd it still further.

Proprietors are paying more attention to details of construction as modern ideas assert themselves. Investigation and experience has proven that calcined gypsum, properly hydrated, mixed with the proper proportions of sharp clean sand, makes the ideal wall plaster. The addition of shredded wood to from what is known as wood fibre plaster imparts to it such exclusive characteristics as toughness, elasticity, lightness, fibrousness, plasticity, spreading qualities, non-conduction of heat, cold and electricity.

Individually these qualities overcome the many defects found in the ordinary plaster. "Toughness" prevents breaking, cracking and crumbling. "Elasticity" allows it to follow a warped or settling lath without breaking, provided of course there is no settling of the foundations of the building. "Lightness" is an essential quality for plaster for high church ceilings, theatres, schools and public halls. "Fibrousness" imparts somewhat of the nature of wood itself in that nails can be driven into the wall and withdrawn without ruining the plaster. "Plasticity and spreading qualities" appeal strongly to the workman as they enable him to do better work with less effort. "A non-conductor of heat, cold and electricity" its use makes a house cool in summer and warm in winter.

Being prepared ready for the wall,

requiring only the addition of water, its convenience and economy are further strong points in its favor.

The S'inson-Reeb Builders' Supply Company, Limited, Montreal, have just commenced the manufacture of "Wood Fibre Plaster" and will be pleased to furnish full particulars to interested persons.

SELLING CEMENT BY WEIGHT.

A good move was made at the recent convention of the Canadian Society of Civil Engineers when the members unanimously endorsed the selling of cement by weight. A committee was appointed to present a memorial to the Canadian Government petitioning them to legislate in the matter. At present the bulk of cement placed on the market is in barrels supposed to contain a standard weight, when in reality they range all the way from three hundred and twenty five to three hundred and seventy five pounds per barrel. Ordering cement by the barrel is a misnomer unless the weight is specifically stated, which in most cases it is not. Then on a contract of several thousand barrels the difference in weight may assume a serious amount. It was stated that the Dominion Government was one of the worst offenders contributing to such a condition of affairs. Being an enormous consumer of cement, very few official contracts

specify the amount a barrel shall contain.

PUBLICATIONS.

A copy of Bulletin No. 200 recently issued by Allis-Chalmers-Bullock, Limited, Montreal, has reached this office. It is devoted entirely to the Lidgerwood Hoisting Engine for which Allis-Chalmers-Bullock are sole Canadian licensees, describing very fully the several types manufactured. It is fully illustrated and will prove very interesting to parties requiring engines of this kind.

PERSONAL.

Mr. G. H. Bryson, assistant city engineer of Ottawa, Ont., has been appointed engineer for the town of Pembroke at a salary of \$1400 per year.

Mr. A. R. Campbell, who has been in charge of the installation of the municipal waterworks, sewerage and electric light systems at Saskatoon, Sask., has resigned that position. Mr. Campbell is promoting a new company to be known as the Saskatoon Construction & Engineering Co.

Winnipeg architects are for the most part busy on plans for smaller residential houses to be erected this spring in the new suburbs, more especially in the St. James & St. Charles districts.

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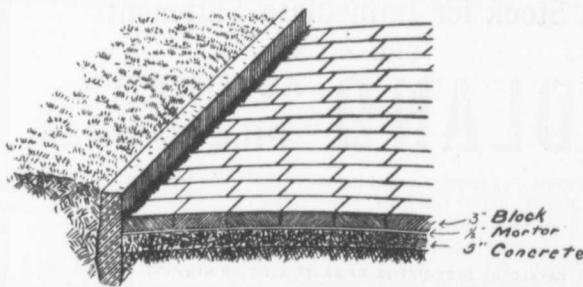
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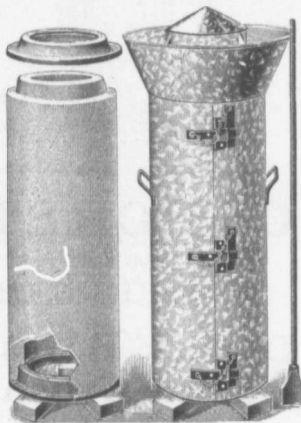
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Jessop Prospecting & Mining Company, Limited, Toronto, Ont., incorporated, capital \$1,000,000. Directors, E. Gillis, D. A. Rose, and others.

Federal Mines, Limited, Toronto, Ont., incorporated, capital \$6,000,000. Directors, J. B. Holden, A. Mearns, and others.

Petrolia Bridge Company, Limited, Petrolia, Ont., incorporated, capital \$40,000. Directors, J. Fraser, T. Johnstone, and W. H. McKenzie.

Beaver Consolidated Mines, Limited, Toronto, Ont., incorporated, capital \$1,500,000. Directors, M. MacDonald, G. Grant, and others.

Cobalt Concentrators, Limited, Toronto, Ont., incorporated, capital \$500,000. Directors, G. R. Sproke, J. T. White and others.

Big Four Larder Lake Mining Company, Limited, Toronto, Ont., incorporated, capital \$1,000,000. Directors, J. E. Day, J. M. Ferguson, and others.

Banza Larder Lake Mining Company, Limited, Haileybury, Ont., incorporated, capital \$1,000,000. Directors, J. E. Day, J. M. Ferguson, and others.

Knickerbocker Cobalt Mines, Limited, Toronto, Ont., incorporated, capital \$550,000. Directors, S. Johnston, A. J. Thompson, and others.

Toronto Automobile Company, Limited, Toronto, Ont., incorporated, capital \$40,000. Directors, J. S. Tomenson, B. Browne, C. H. McArthur, A. A. Miller, and D. Donald.

North Bay Silver Cobalt Mining Company, Limited, North Bay, Ont., incorporated, capital \$300,000. Directors, P. J. Finlan, T. J. Bourke and others.

Regina Machine & Iron Works, Limited, Regina, Sask.

Canada West Manufacturers Limited, Winnipeg, Man., incorporated to manufacture all kinds of machinery, capital \$50,000. Incorporators, G. Bingham, J. A. Cowan, W. J. Cummings, R. S. Barrow and F. E. Cantwell, all of Winnipeg.

Canada Cabinet Company, Limited, Montreal, Que., incorporated, capital \$100,000. Incorporators, H. Miles, H. Upton, C. S. Underhill, J. Donoghue and D. Evans, all of Montreal.

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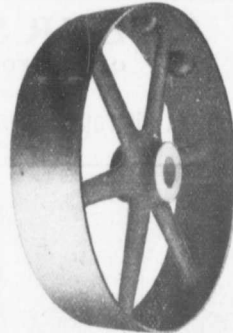
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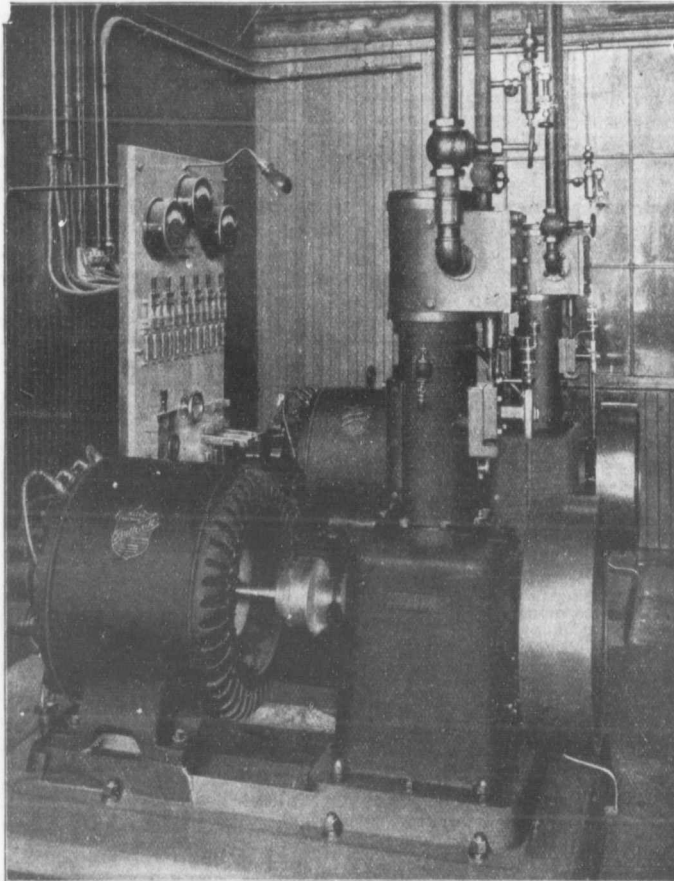
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capital \$30,000. Incorporators, E. F. Surveyer, A. Chase-Casgrain, J. W. Weldon, E. M. McDougall, S. J. LeHuray.

T. Pringle & Son, Limited, Montreal, Que., incorporated to carry on business of a general construction company, capital \$250,000. Incorporators, E. Languedoc, W. J. Henderson, A. C. Calder, J. Jenkins and A. Savard, all of Montreal.

Haileybury Silver Mining Company, Limited, Haylebury, Ont., incorporated, capital \$50,000. Directors, C. T. Young, T. H. Conner, and others.

Nash Thermostats, Limited, Toronto, Ont., incorporated to operate a plant for the distribution of heat, capital \$125,000. Directors, A. Mills, W. E. Rainey and C. M. Colquhoun.

Cullen Cobalt Mines, Limited, Toronto, Ont., incorporated, capital \$1,000,000. E. Cullen, E. W. Warfield, and others.

The Schultz Bros. Company, Limited, Brantford, Ont., incorporated to carry on a building and contracting business, capital \$400,000. Directors, G. C. Shultz, D. W. Schultz, J. F. Schultz, J. G. Allan, G. A. Tanton and M. F. Muir.

Hiawatha Silver Cobalt Mining Company, Limited, Ottawa, Ont., incorporated, capital \$1,000,000. Directors, J. Arkley, W. W. Boucher and others.

The Tidman Silver & Aluminum Works, Limited, Toronto, Ont., incorporated, capital \$40,000. Directors, F. A. Lewis, E. Gillis and M. W. Mayhr.

ENGINEERS' CLUB MEETING.

A very interesting meeting of the Engineers' Club of Toronto was held on Thursday last. President C. B. Smith occupied the chair, and a large number of members were present. The main feature of the meeting was the reading of a paper on "Steel Rails," by Mr. T. S. Griffiths, President of the Canadian Inspection Company, Montreal. Mr. Griffiths went into the subject in detail, and the discussion which followed the reading of the paper was very instructive, and was thoroughly enjoyed by all present.

The Canadian Inspection Company, Limited, of Montreal, have opened a branch office at 16 Richmond street east, Toronto, under the management of Mr. L. J. Street, Vice-President of the Company. This concern are inspectors of railway and structural material, and have already worked up a large business, which will no doubt be materially increased by the placing of a permanent representative in Toronto. The company have also representatives throughout the United States, England and the Continent.

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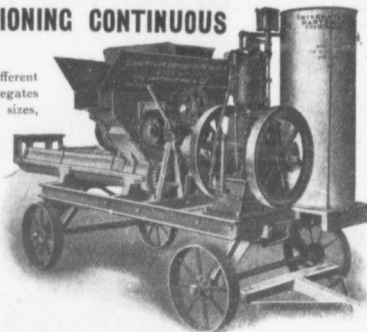
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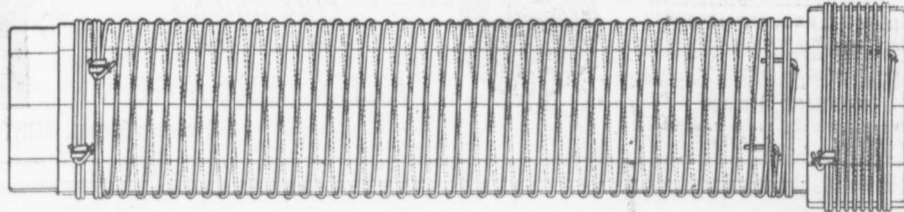
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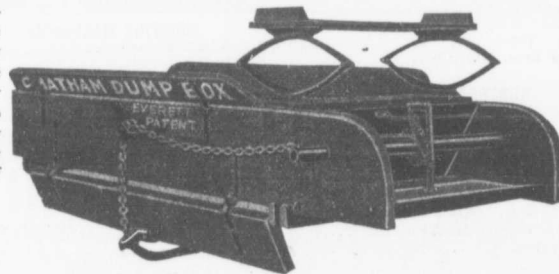
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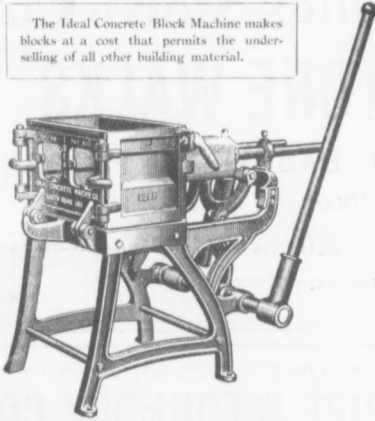
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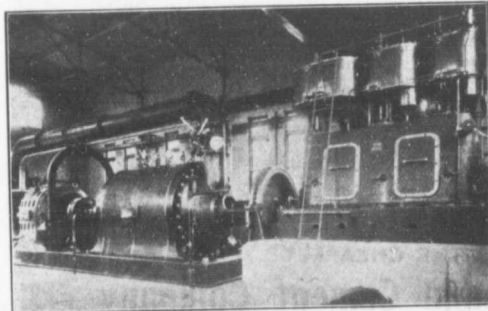
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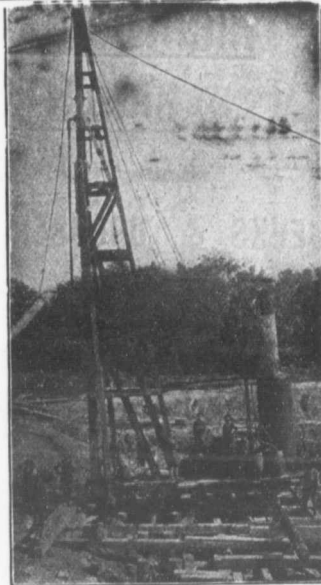
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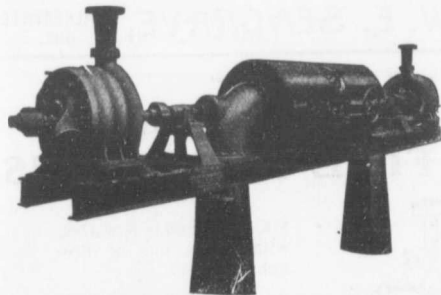
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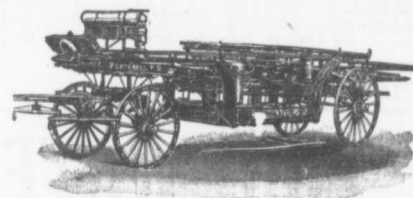
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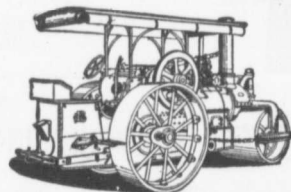
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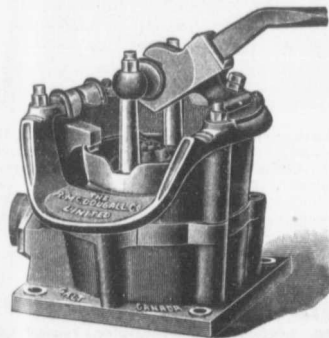
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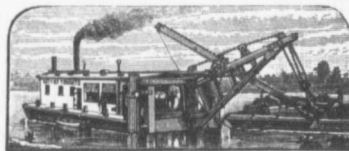
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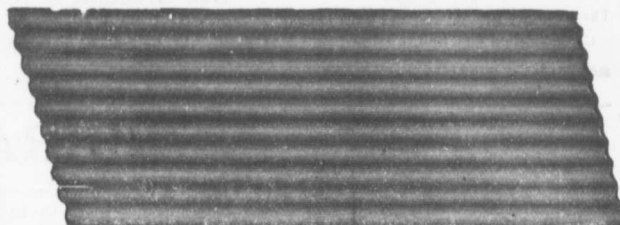
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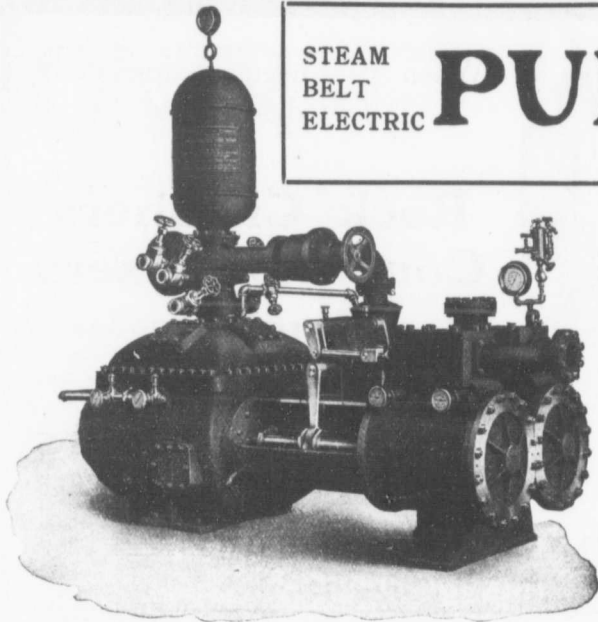
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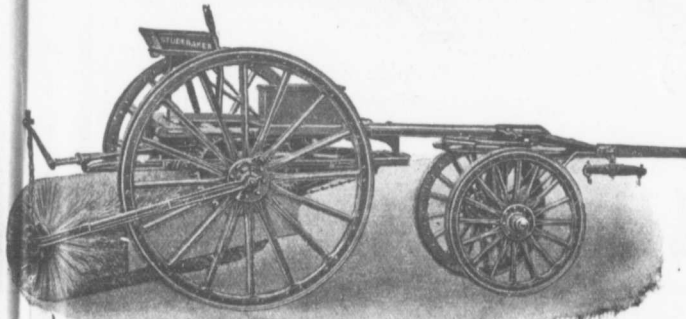
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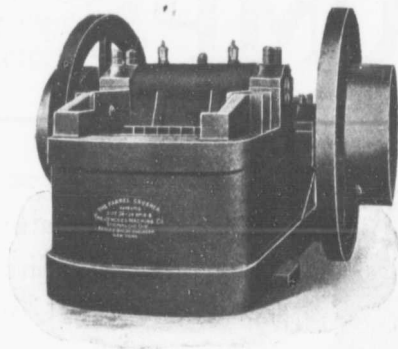
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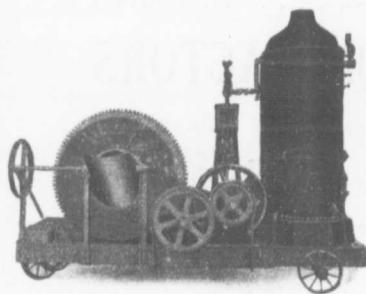
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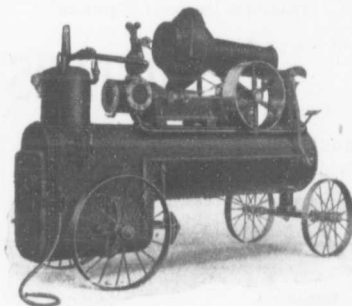
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